

ABSTRACT OF THE DISCLOSURE

Methods to at least partially reduce a niobium oxide are described. In one embodiment, a milling process is described wherein the surfaces of the mill in contact with the starting metal oxide, getter material, and/or oxygen reduced metal oxide are the same as the material being milled. Other milling techniques and products are also described.

1. A method for reducing a niobium oxide, comprising: milling a niobium oxide with a mill having surfaces of the mill in contact with the starting metal oxide, getter material, and/or oxygen reduced metal oxide, wherein the surfaces of the mill are the same as the material being milled.